

Title (en)

APPARATUS FOR MEASURING BLOOD CHARACTERISTICS FOR DEPLOYMENT ON A HOST DEVICE HAVING A DIGITAL SENSOR

Title (de)

VORRICHTUNG ZUR MESSUNG VON BLUTEIGENSCHAFTEN ZUM EINSATZ AUF EINER HOSTVORRICHTUNG MIT EINEM DIGITALEN SENSOR

Title (fr)

APPAREIL POUR LA MESURE DE CARACTÉRISTIQUES DU SANG À DÉPLOYER SUR UN DISPOSITIF HÔTE COMPORTANT UN CAPTEUR NUMÉRIQUE

Publication

EP 2872042 A1 20150520 (EN)

Application

EP 13820443 A 20130709

Priority

- US 201213549481 A 20120715
- IB 2013055633 W 20130709

Abstract (en)

[origin: US2014018647A1] An apparatus for working in conjunction with a digital sensor, CPU and display of a host device in order to measure blood characteristics that includes a housing configured for association with the host device so as to define between them a chamber into which at least a portion of an appendage of a living being is placed such that a tip of the appendage is deployed adjacent to the digital sensor so as to cover the digital sensor. The chamber substantially encloses the digital sensor. Light from a light source is directed toward the appendage tip, wherein at least some light from the light source is reflected by tissue of the appendage, is received by the sensor and data thereby generated is processed by the CUP to determine the blood characteristics.

IPC 8 full level

A61B 5/145 (2006.01); **A61B 5/00** (2006.01); **A61B 5/1455** (2006.01)

CPC (source: CN EP KR US)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

US 2014018647 A1 20140116; **US 9855009 B2 20180102**; CA 2918263 A1 20140123; CN 104427935 A 20150318; EP 2872042 A1 20150520; EP 2872042 A4 20160316; IN 109DEN2015 A 20150529; JP 2015524294 A 20150824; JP 6293748 B2 20180314; KR 102046678 B1 20191119; KR 20150036015 A 20150407; WO 2014013387 A1 20140123

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